

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A vacuum fluorescent display comprising:
 - a front glass member which has light transmission properties at least partly;
 - a substrate opposing said front glass member through a vacuum space;
 - a phosphor film formed on a surface of said front glass member which opposes said substrate and having a predetermined display pattern;
 - an electron-emitting portion mounted on said substrate to oppose said phosphor film and having an electron-emitting surface corresponding to the display pattern;
 - an electron extracting electrode arranged in the vacuum space between said electron-emitting portion and said phosphor film to be spaced apart from said electron-emitting portion by a predetermined distance; and
 - an insulating support member formed on said substrate having partitions for supporting and adapted to support said electron extracting electrodes electrode and dividing[divide] the electron-emitting surface of said electron-emitting portion into a plurality of regions, said partitions being made of material from which a larger number of secondary electrons than that of bombarded electrons are emitted.
2. (Canceled)
3. (Original) A display according to claim 2, wherein said partition comprises partitions that are arranged substantially equidistantly to be parallel to each other.
4. (Original) A display according to claim 3, wherein the partitions have heights of 0.2 mm to 2.0 mm each and are arranged at an interval 1/2 to 5 times the height.
5. (Original) A display according to claim 2, wherein said partition divides the electron-emitting surface of said electron-emitting portion into a plurality of electron-emitting regions of almost the same shape.

6. (Original) A display according to claim 5, wherein the electron-emitting surface of said electron-emitting portion is divided into a plurality of stripe regions parallel to each other.

7. (Original) A display according to claim 5, wherein
said insulating support member has an opening corresponding to the display pattern,
and
said partition is integrally formed with said insulating support member so as to divide the opening into a plurality of slit-like divisional openings.

8. (Original) A display according to claim 1, wherein said electron extracting electrode is formed of a mesh-like metal plate, and is supported by said insulating support member to be spaced apart from the electron-emitting surface by a predetermined distance.

9. (Original) A display according to claim 1, wherein said electron extracting electrode is formed of a conductive film formed at a top of said insulating support member.

10. (Original) A display according to claim 1, wherein said electron-emitting portion is formed of a larger number of carbon nanotubes formed of cylindrical graphite layers.

11. (Original) A display according to claim 1, wherein said electron-emitting portion comprises

a plate-like metal member having a large number of through holes and serving as a growth nucleus for nanotube fibers, and

a coating film formed of a large number of nanotube fibers formed on a surface of the metal member and on walls of the through holes.

12. (Original) A display according to claim 1, wherein said electron-emitting portion and said phosphor film comprise a plurality of sets of electron-emitting portions and phosphor films provided in the vacuum space in one-to-one correspondence for each display pattern.